

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 13482
Application ID: 09683490
Title of Invention: DIGITAL CONTROL LOOP TO
SOLVE INSTABILITY OF
ELECTROSTATIC DRIVES BEYOND
1/3 GAP LIMIT
First Named Inventor: Terence Murphy
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-01-07
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: TI-32876
Digital Certificate Holder: cn=Richard A. Bachand, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: SvNVNrsx0t0dZbtkVre7aw==
Total Fees Authorized: \$864.0
Payment Category: DA - Deposit Account
Deposit Account Number: 200668
Deposit Account Name: Richard A. Bachand



09683490

TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent
Filing

Attorney Docket
Number:

TI-
32876



DIGITAL CONTROL LOOP TO SOLVE INSTABILITY OF ELECTROSTATIC DRIVES BEYOND 1/3 GAP LIMIT

First Named Inventor: Mr. Terence J. Murphy

SUBMITTED BY

Name: Richard Andre Bachand
Registration Number: 25,107
Electronic Signature Mark: /RAB Date Signed: 20020107

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	Declaration.tif
specification	Specification.xml
bibd-transmittal	TI-32876apds.xml

patent-assignments
fee-transmittal

TI-32876asgn.xml
TI-32876fee.xml

Attached Image File(s):
Declaration.tif

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Comments:

20200603060

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint in plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on invention entitled: DIGITAL CONTROL LOOP TO SOLVE INSTABILITY OF ELECTROSTATIC DRIVE BEYOND 1/3 GAP LIMIT, which is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claim amended by any amendment specifically referred to in the oath or declaration;

No application for patent or inventor's certificate on this invention has been filed by me or by my legal representatives or assigns in any country foreign to the United States of America;

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations Section 1.56(a);

As a named inventor, I hereby appoint the following attorneys to prosecute this application and transact business in the Patent and Trademark Office connected therewith:

☒ **Practitioners at Customer Number: 23494**

Send correspondence and direct telephone calls to:

W. Daniel Swayze, Jr., Esq.
Texas Instruments Incorporated
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Dallas, Texas 75265
(972) 917-5633

I further declare that all statements made herein of my own knowledge are true and that all statements on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

Name of Inventor:

Terence J. Murphy

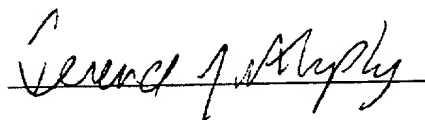
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Country of Citizenship:

USA

Inventor's signature:



Date:

12/19

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 864

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

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Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Richard A. Bachand

Electronic Signature Mark: /RAB

Date Signed: 20020107

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 14	103	\$ 18	0	\$ 0
Independent Claims: 4	102	\$ 84	1	\$ 84

Parameter	Unit	Value	Standard Error	t-Statistic	p-Value
Intercept		1.0000	0.0000	1.0000	0.0000
Age	Years	0.0000	0.0000	0.0000	0.0000
Gender		0.0000	0.0000	0.0000	0.0000
Married		0.0000	0.0000	0.0000	0.0000
Education	Years	0.0000	0.0000	0.0000	0.0000
Income	Logarithm	0.0000	0.0000	0.0000	0.0000
Health		0.0000	0.0000	0.0000	0.0000
Smoking		0.0000	0.0000	0.0000	0.0000
Alcohol		0.0000	0.0000	0.0000	0.0000
Exercise		0.0000	0.0000	0.0000	0.0000
Stress		0.0000	0.0000	0.0000	0.0000
Family Size		0.0000	0.0000	0.0000	0.0000
Work Hours	Hours per Week	0.0000	0.0000	0.0000	0.0000
Job Satisfaction		0.0000	0.0000	0.0000	0.0000
Health Insurance		0.0000	0.0000	0.0000	0.0000
Unemployment		0.0000	0.0000	0.0000	0.0000
Region		0.0000	0.0000	0.0000	0.0000
Year		0.0000	0.0000	0.0000	0.0000
Constant		0.0000	0.0000	0.0000	0.0000

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

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